TAIKO Service Manual

Chapter 4

Download & Adjustment

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Issue: 06/2006

4-1. Download

The software download procedure is described in this section. When the software has been upgraded or the TAIKO unit's CPU board has been replaced, please download the software to the TAIKO unit.
When downloading a software from Palm, please refer 4-2. Palm.

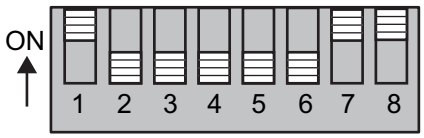
4-1-1. Requirements

When downloading, the following items are required.
- TAIKO Unit
- JCM Power Supply Unit (Part#.VM-30, EDP#.116125)
- TAIKO Harness A (Part#.3280-05-51, EDP#.121797)
- TAIKO Harness B (Part#.3280-03-11, EDP#.116488)
- Downloader (Download Program Ver. 1.20.exe, wba_download_config.txt)
- Software Programe (Ex. P07X3102.G_S)

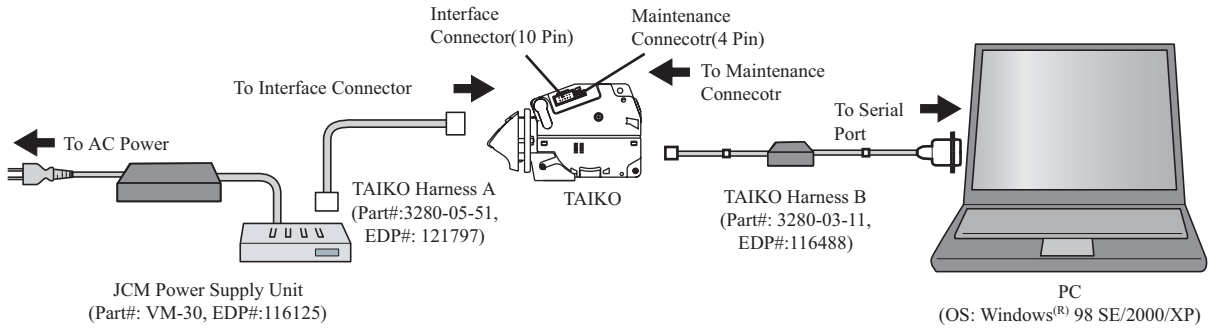
- **Save the two Downloader files in the same folder.**

4-1-2. Connecting Procecedure

1. Set the DIP Switch No.1, 7 and 8. DIP Switch is located on the right side of TAIKO unit.



2. Connect TAIKO unit, PC and JCM Power Supply unit as shown below.



3. Turn the power of the JCM Power Supply Unit ON and supply the power to the TAIKO unit.
4. Confirm the TAIKO's green LED is flashing.

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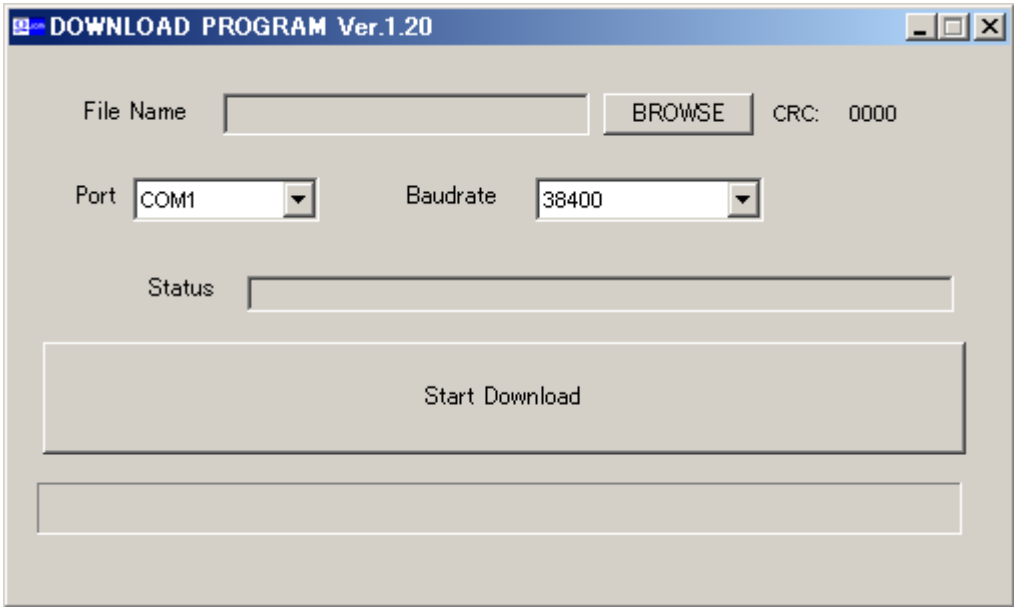
4-1-4. Download Procedure

When downloading software, follow the steps as shown bellow.

1. Double Click the Download Program Ver. 1.20.exe. The following window will be appear.



2. Press the [Brouse] button and select a software program you want to download to the TAIKO unit.
3. Select the your PC's COM Port # from the pull down menu.
4. Confirm that the Buadrate 38400 is selected.
5. Press the [Start Download] button to start downloading.
6. When downloading is completed. TAIKO's LED turn into Blue.
7. Turn off the power and remove the TAIKO unit.

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4-2. Adjustment

You learn how to adjust TAIKO unit in this section. After software program is downloaded or CPU/Sensor Board is replaced, the TAIKO unit needs to be adjusted.

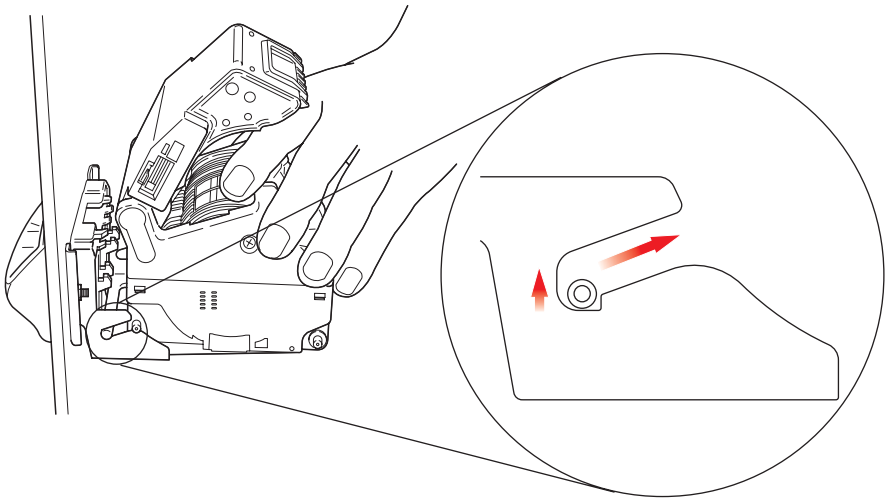
4-2-1. Requirements

When adjusting TAIKO unit, the following items are required.

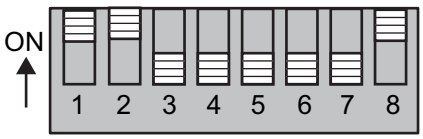
- Reference Paper (Part#.KS-070, EDP#.119581)

4-2-2. Adjustment Procedure

1. Confirm the power is not supplied to the TAIKO unit and remove the TAIKO unit from the faceplate.



2. Set the TAIKO's DIP Switch No.1, 2 and 8 ON. The DIP Switch is located on the right side of the unit.



3. Supply the power to the TAIKO unit. Confirm that TAIKO's wihte LED is flashing.
4. Set the DIP Switch No.1 OFF and confirm that TAIKO's green LED is flashing.

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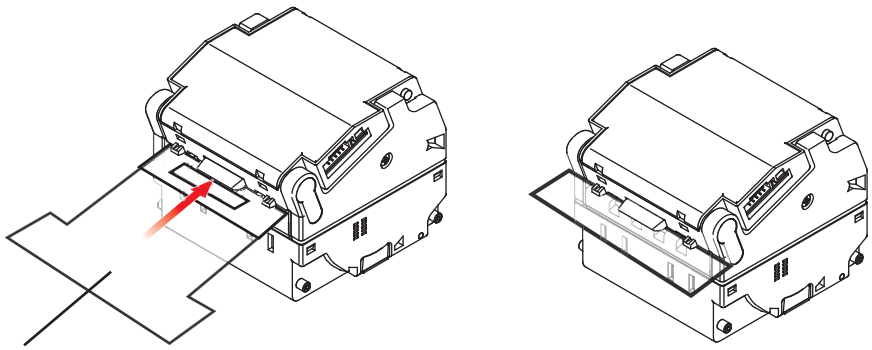
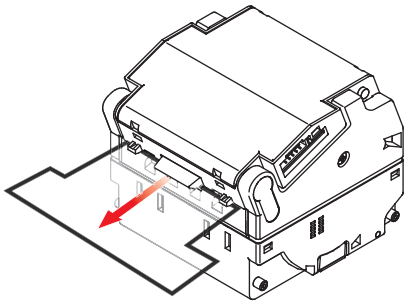
5. Insert the reference paper (KS-070) to the TAIKO unit. Then the roller start rotating and then continue to insert the reference paper all the way in.



Reference Paper (KS-070)

6. When the reference paper reaches all the way in, green LED flashes.
7. Set the DIP Switch No.8 OFF to satrt the paper adjustment. Confirm that TAIKO's yellow LED lights.
8. When the paper adjustment is completed, the reference paper come out of the TAIKO unit automatically. Remove the reference paper.



9. Set the DIP Switch No.8 ON to start the no paper adjustment. Confirm that TAIKO's yellow LED lights.
10. When the paper adjustment and EEPROM writing is completed successfully, confirm that TAIKO's blue LED lingts.

- **If the adjustment and EEPROM writing is not completed successfully, the red LED lights. Please start again from the beginning.**

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4-3. Palm

Download procedure using Palm is described in this section.

4-3-1. Requirement

When adjusting TAIKO unit, the following itmes are required.

- Palm (Palm(R)'s Tungsten C)
- TAIKO Harness B(Part#.3280-03-11, EDP#.116488)
- File Converter Installer (setup.exe/SETUP.LST/PdbConvEN.CAB)
- Download Program (ID003DWN.prc)
- Software Program (Ex. P07X3102.G_S)

4-3-2. Installing File Converter (PdbConvEN.exe)

When downloading a software from palm, the file needs to be convert into prc format.
Follow the steps below to install the File Converter (PdbConvEN.exe).

1. Save the setup.exe/SETUP.LST/PdbConvEN.CAB to your PC.
2. Double click the setup.exe to start to install.
3. Follow the instruction on the screen and complete installing.
4. PdbConvEn.exe icon is created on your PC's desktop.

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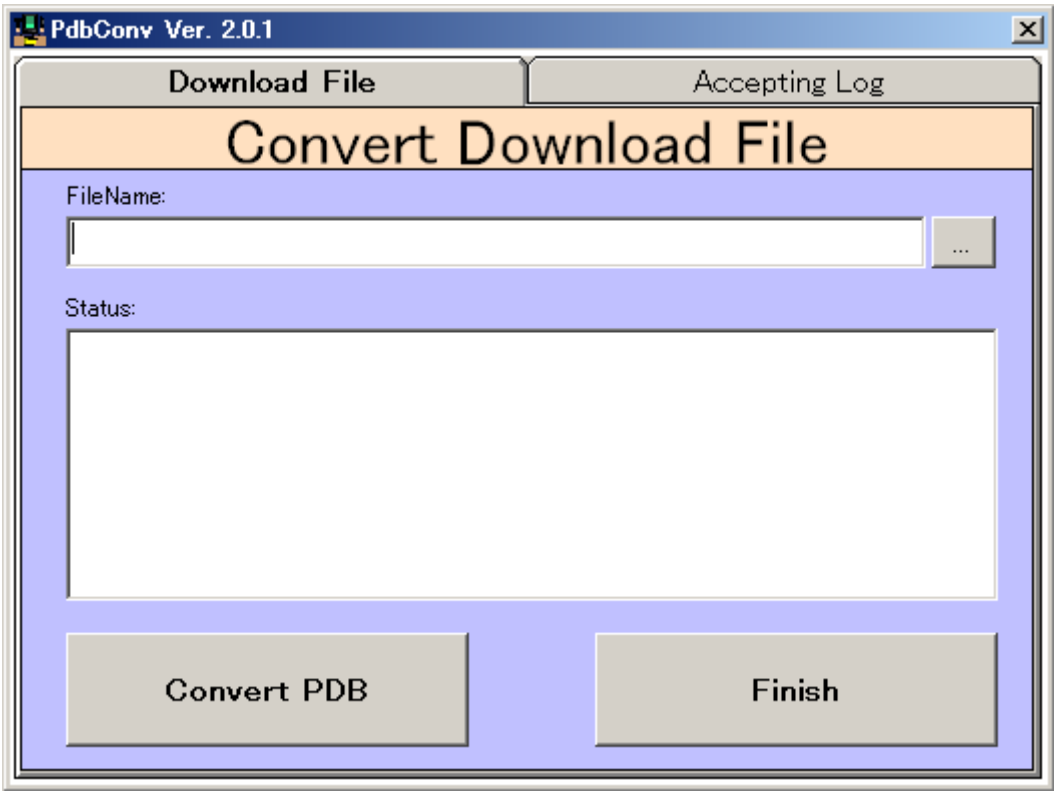
4-3-3. Converting Software Program

Follow the steps below, convert the software program into prc format.

1. Double click the PdbConvEn.exe icon to start the PdbConvEn. The following window will appear.



2. Confirm the Download File tab and click the [...] button to select a file you want to convert.
3. Click the [Convert PDB] button to start the convertion.
4. After CRC is displayed, convertion is completed.
5. Click the [Finish] button and close the PdbConvEn.exe.

Note

- **Please import the downlader(ID003DWN.prc) for the palm and the software converted into prc format to palm refering to your Tungsten C Manual.**

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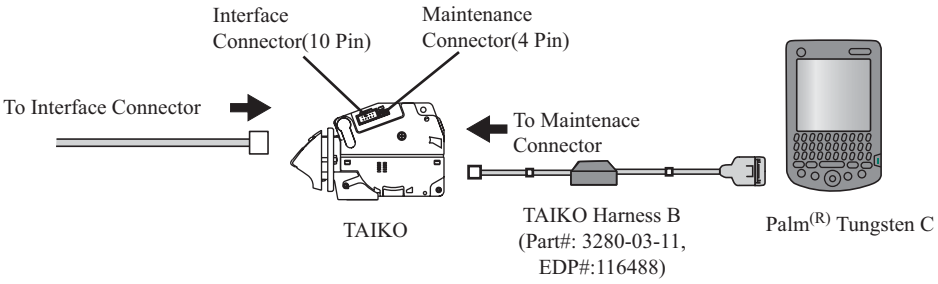
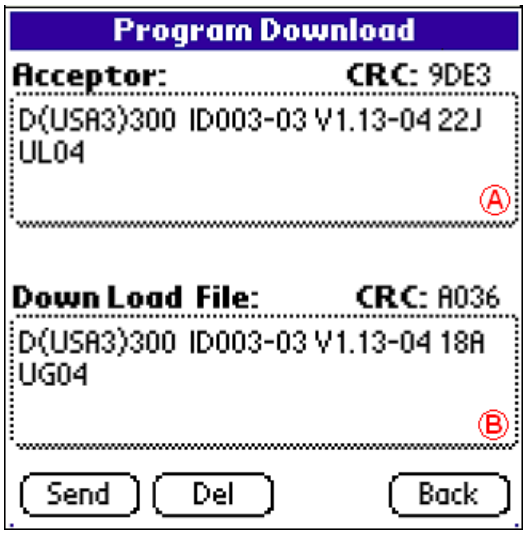
4-3-4. Download Procedure

When downloading a software from your palm, follow the instructions below.

1. Set the TAIKO unit's DIP Switch No. 1, 7 and 8 ON.
2. Connect your palm with the TAIKO unit as shown below and supply the power to the TAIKO unit.



3. Turn on your palm and tap the DWN-03 icon. The following screen will be displayed.



4. When tapping the area (A) shown below, the software information which is currently installed in the TAIKO unit will be showed.
5. Tap the area (B) and select the software you want to download.
6. Tap the [Send] button to start downloading.
7. When the downloading is complete, the screen returns to the previous automaticaly.

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4-4. Cloning

Using the Clone Harness, the software can be copied from the Master TAIKO unit to Salve TAIKO unit. (Cloning)

4-4-1. Required Items

When cloning, the following items are required.

- TAIKO unit installed the cloning feature applicable software (Master)
- TAIKO unit to copy the software (Slave)
- Clone Harness (Part#: 3280-05-52, EDP#: 124528)
- Power Supply Unit (Part#: VM-30, EDP#: 116125)

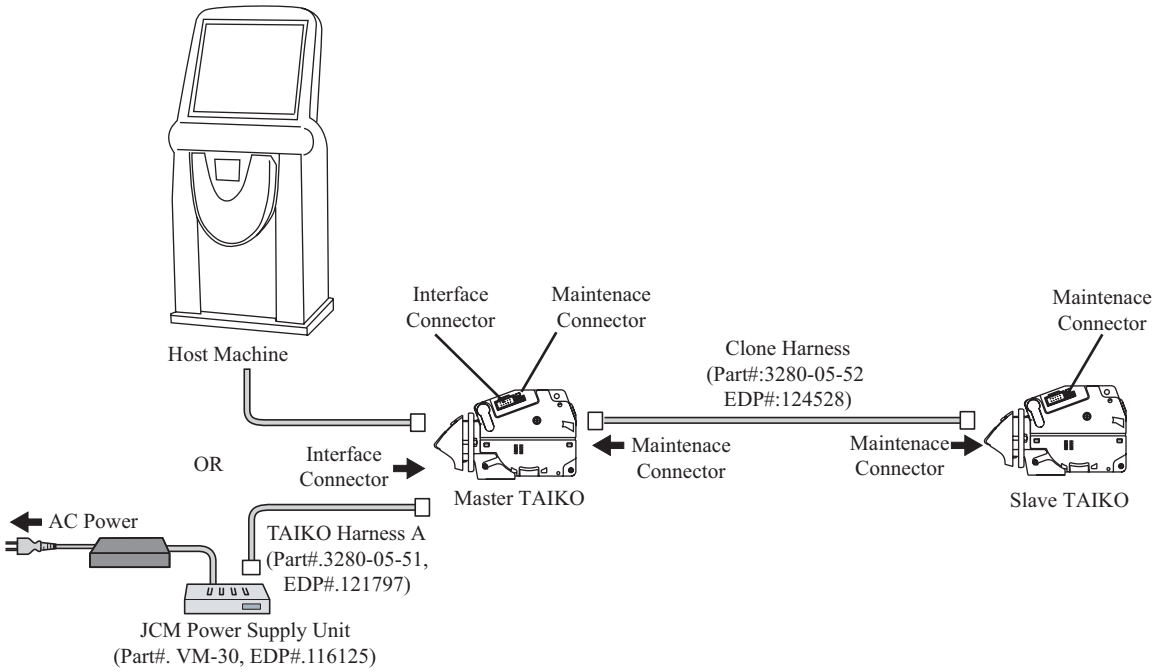
Note

- For the cloning features applicable software, refer to the Software Information Sheet.
- If the master TAIKO unit is connected with the host machine, the power supply unit is not required.

4-4-2. Cloning Procedures

Follow the steps below to clone.

1. Connect the master TAIKO unit and the slave TAIKO unit as shown below.



2. Set the DIP Switch of the master TAIKO unit No. 1, 2, 7 and 8 ON and the DIP Switch of the Slave TAIKO unit No. 1, 7 and 8 ON.
3. Confirm the LED of the master TAIKO unit is flashing withe, the LED of the slave TAIKO unit is flashing green.

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4. Set the DIP Switch of the master TAIKO unit No. 1 OFF to start cloning.
5. When starting cloning, the LED of the master TAIKO unit lights pink, the LED of the slave TAIKO unit lights yellow.
6. When the LED of the slave TAIKO unit lights blue (or flashes green), the cloning is complete. (Approx. 15 minutes)
7. Set the DIP Switch of the master TAIKO unit No.1 ON.
8. When producing another clone TAIKO, turn off the power, connect another slave TAIKO unit and perform from the step 2.

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